Searching PAJ Page 1 of 1

## PATENT ABSTRACTS OF JAPAN

(11)Publication number : 2003-052601 (43)Date of publication of application: 25.02.2003

(51)Int.Cl. A47L 13/20 A47L 13/10 A471. 13/24 A47L 13/256 A47L 25/00 B25G 1/04 B25G 3/10

(21)Application number: 2001-242824 (22)Date of filing: 09 08 2001

(71)Applicant : SEKISUI HOUSE LTD (72)Inventor: KUROSAKI SATORU

> KIMURA TOSHIKAZU YAMADA YOKO MATSUDA YOSHIRO OKAMOTO YOSHIAKI TANABE YOSHINOBU

## (54) ROOM CLEANING TOOL HAVING REMOVABLE TIP ATTACHMENT

(57)Abstract:

PROBLEM TO BE SOLVED: To provide a room cleaning tool having advantages of both a mop-type cleaning means and a hand-type cleaning means capable of facilitating attaching/ detaching of a tip attachment to/from a handle, easily holding by a hand, and fitting a brush mop, a fabric mop, a paper sheet, a fabric sheet, or the like.

SOLUTION: The room cleaning tool having removable tip attachment is composed of the tip attachment comprising a mon head and a roller head, a telescopic handle formed by a plurality of pipes nested and by fitting joints to joined parts of the pipes so as to freely extend/contract, and a set of a projected part and a recessed part. A coupler is provided on a tip attachment side and a telescopic handle side so as to attach/detach the tip attachment and the telescopic handle in one operation.

